# interface document

POST /login

request:{

uid:256

}

response:{

code:0,

token: "123"

}

GET /get\_flight\_info

request:{

token: "256",

time\_begin:20150302153221, //2015年3月2日15 32分

time\_end:20150320

from:"武汉",

to:"北京",

}

response:{

code: 0,

flightlist:[

{

fid:123,

ftype:"CT2015",

from:"武汉",

to:"北京",

begin:'20150302153221',

end:'20150303153221',

food: true,

sitenum: 25, //座位数

income: 340.56,

site\_not\_ok\_list:[1,2,3,4,5]

},

{},

{}

]

}

// 增加航班信息

POST /post\_flight\_info

request:{

token:256,

ftype: "123",

from:" beijing",

to: "shanghai",

begin: "20160302",

end: " 20166356",

food: true,

sitenum : 25,

income: 802.5

}

response:{

code:0,

fid: 256

}

PUT /put\_flight\_info

request:{

token: 256,

fid: 123,

ftype: "CG1205", //optional

from:" beijing",

to: "shanghai",

begin: "20160302", //must

end: " 20166356", //must

food: true,

sitenum : 25,

income: 802.5

}

response:{

code:0

}

GET /get\_book\_info

request:{

token: 569,

time: '201502030000', //预定时间,可选

fid\_list: [1,2,3]

}

response:{

code:0,

book\_info\_list:[

{

bookid: 123,

book\_uid:123,

uid:234,

fid:236,

time: '201603052130',

income: 340.56,

extra: "beizhu"

siteid: 25,

},

{}

]

}

POST /book

request:{

token: 256,

book\_uid: 123,

uid: 256,

fid: 123,

time: "201503060203",

money\_in: 256,

money\_out: 444,

cost: 256.35,

extra: "26356",

siteid: 25

}

response:{

code:0,

bookid:236

}

DELETE /book

request:{

token:569,

bookid: 256,

book\_uid: 236 //optional

uid: 263, optional

}

response:{

code: 0,

money\_reply:256.32 (reback money, reback site, reback take\_ticket\_info)

}

POST /check\_site

request:{

token:569,

fid: 123,

uid: 456,

sietid: 6,

}

response:{

code:0

}

PUT /change\_site

request:{

token:598,

fid: 256,

uid: 489,

siteid: 5

}

response:{

code:0,

fid: 569,

uid: 256

}

GET /ticket\_info

request:{

token:985,

uid: 25, //optional

fid:658

}

response:{

code:0,

id: 256,

uid:256,

name:"xxx",

time: "201502320506",

fid:256,

ftype:"CF2563",

city\_from:"beijing",

city\_to:"shanghai",

offtime: "201302050603",

extra: "xxx",

siteid: 25

}

GET /money\_info

request:{

token:256,

uid: 256,

fid: 256

}

response:{

mmid:256,

book\_uid: 256,

uid: 256,

book\_name: "xxx",

name: "xx",

fid: 256,

time: "201503020405"

ftype: 653,

offtime: "201503020605",

money\_in: 256.32,

money\_out: 10.32,

money:246.00,

}

数据库建立

# 航班信息表

create table flight\_info(

fid int,

ftype varchar(63),

city\_from varchar(63),

city\_to varchar(63),

time\_begin datetime,

time\_end datetime,

food bool,

cost decimal(8,2),

sitenum int NOT NULL,

income decimal(8,2),

PRIMARY KEY(fid),

INDEX idx\_fid (fid)

)ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

# 用户订阅表

user\_book(book\_uid,uid, fid,time,cost,extra)

create table user\_book(

bookid int,

book\_uid int,

uid int,

fid int,

time datetime,

cost decimal(8,2),

extre varchar(255),

PRIMARY KEY(bookid),

UNIQUE(uid,fid),

FOREIGN KEY(fid) REFERENCES flight\_info(fid) ON DELETE SET NULL ON UPDATE CASCADE,

INDEX idx\_uid (uid,fid)

)ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

#

flight\_site(fid,uid,siteid)

create table flight\_site(

fsid int,

fid int,

uid int,

siteid int,

UNIQUE(fid,uid,siteid),

PRIMARY KEY(fsid),

FOREIGN KEY(fid) REFERENCES flight\_info(fid) ON DELETE SET NULL ON UPDATE CASCADE,

FOREIGN KEY(uid) REFERENCES user\_book(uid) ON DELETE SET NULL ON UPDATE CASCADE,

INDEX idx\_fuid(fid,uid,siteid)

)ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

take\_ticket\_info(id,uid,fid,time,offtime,extra)

create table take\_ticket\_info(

id int,

book\_id int,

uid int,

fid int,

time datetime,

offtime datetime,

extra varchar(255),

PRIMARY KEY(id),

FOREIGN KEY(uid) REFERENCES user\_book(uid) ON DELETE SET NULL ON UPDATE CASCADE,

FOREIGN KEY(fid) REFERENCES flight\_info(fid) ON DELETE SET NULL ON UPDATE CASCADE,

INDEX idx\_id(id),

INDEX idx\_fuid(uid,fid)

)ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

money\_info(uid,fid,money\_in, money\_out,money,time) //加入state进行状态控制

create table money\_info(

miid int,

uid int,

money\_in decimal(8,2),

money\_out decimal(8,2),

money decimal(8,2),

time datetime,

PRIMARY KEY(miid),

FOREIGN KEY(uid) REFERENCES user\_book(uid) ON DELETE SET NULL ON UPDATE CASCADE,

INDEX idx\_uid(uid),

INDEX idx\_tuid(uid,time)

)ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;